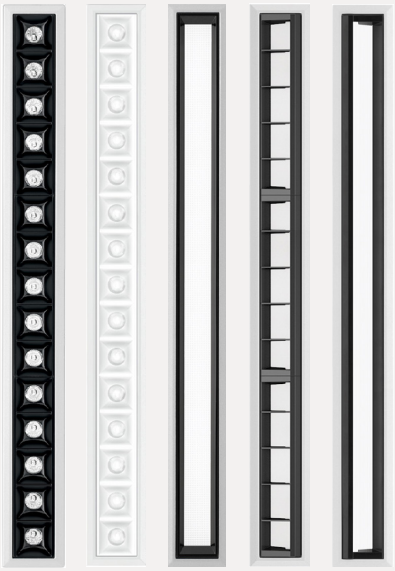
LASER BLADE 15 CELLS
Downlight Integral

Project: _____

Type: _____

OPTIC OPTIONS

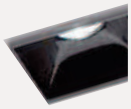


SP, FL, WF | GP | GL | WW | WL

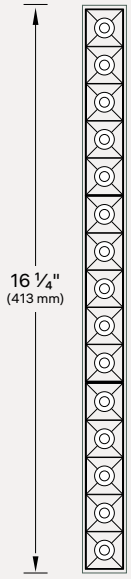
TRIM



TRIMLESS



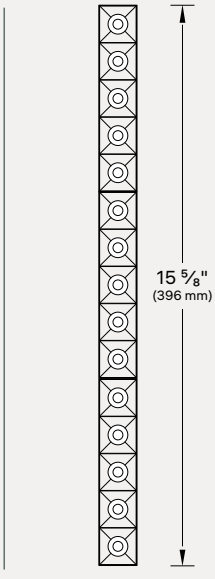
TRIM



1 3/4" (44 mm)

BOTTOM VIEW

TRIMLESS



1 3/16" (30 mm)

Built around the concept of the invisible source, Laser Blade has evolved into a complete architectural lighting family with expanded optics, enhanced performance and excellent chromatic rendering. Available in five sizes and multiple integration options, it delivers exceptional visual comfort across hospitality, workplace, retail and residential applications.

FEATURES

- Available Dimming Drivers/Protocols: ELV & TRIAC, 0-10V. 1% dimming available.
- Tool-free installation
- Full specification available *page 4*

IP 20 | cULus | CE Equivalent Available

5-Year Limited Warranty | CCEA

FINISH OPTIONS *

Trim

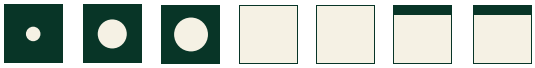


Trimless



Consult factory for custom finishes *

OPTIC OPTIONS



Spot 13° (SP) | Flood 32° (FL) | Wide Flood 47° (WF) | General Light Pro (GP) | General Light (GL) | Wall Washer (WW) | Wall Washer LGC (WL)

MODEL	AVAILABLE OPTIC	SYSTEM POWER (W)	LUMENS (LM)	EFFICACY (IM/W)	MAX CANDELA (CD)
ILB10	Spot 13°	36.5	3 039	83	25 662
	Flood 32°	36.5	3 039	83	10 359
	Wide Flood 47°	36.5	3 076	84	5 200
	Wide Flood Space 47°	36.5	3 076	84	5 511
	General Light Pro	36.5	2 758	76	3 678
	General Light	36.5	1 859	50	1 536
	Wall Washer	36.5	1 277	33	1 082
	Wall Washer LGC	36.5	958	25	974

FAMILY OVERVIEW*

RECESSED

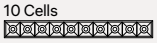


1 Cell | 2 Cells

5 Cells

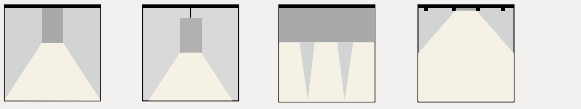


10 Cells



15 Cells

SURFACE | **PENDANT** | **LINEAR** | **WOOD SLAT CEILING**



5 Cells

10 Cells



15 Cells



*Refer to other spec sheets to view additional options

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CONFIGURE

LASER BLADE 15 CELLS
Downlight Integral

Project: _____

Type: _____

ORDERING INFO

ILB15

PRODUCT CODE EXAMPLE: ILB15-TL-IC-030-WF-120-01 **INSTALLATION CODE**

ILB15							
MODEL	**MOUNTING**	**INSTALLATION**	**LED**	**OPTIC**	**VOLTAGE**	**FINISH**	**DIMMING**
ILB15 15 Cells	**TR** Trim **TL** Trimless Drywall Mud **ML** [1] Trimless Millwork	**IC** New Construction Insulated Ceiling **CP** New Construction Chicago Plenum Housing	**027** [2] 2700K, 92CRI **030** [2] 3000K, 92CRI **035** [2] 3500K, 92CRI **040** [2] 4000K, 92CRI	**SP** Spot 13° **FL** Flood 32° **WF** Wide Flood 47° Wide Flood Space 47° **GP** [4] General Light Pro **GL** [5] General Light **WW** Wall Washer **WL** Wall Washer LGC (Longitudinal Glare Control)	**120** 120V **UNV** 120-277V	***TRIM*** (Trim / Baffle finish [6]) **01** White / Black **31** White / White **02** Black / Black **10** Gray / Black **D8** [3] White / Transparent Space **83** [3] Black / Transparent Space ***TRIMLESS*** (Baffle finish [6]) **31** White **02** Black **24** [3,7] Transparent Space	**120V** **LTE** Leading edge and trailing edge (ELV & TRIAC) (Down to 1%) **120-277 (UNV)** **D10** 0-10V (Down to 1%)

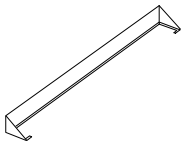
1 Mounting kit is supplied in white when the transparent **(24)** finish is selected.
2 92CRI typical - 90CRI minimum.
3 Only available with Wide Flood Space 47°
4 Available only with White/white **(TR)** and White **(TL)** finish **(31).**
5 Available only with Trim option **(TR).**
6 Custom baffle finish available, contact customer service for details.
7 The product comes with a white body.

ACCESSORIES (TO BE ORDER SEPARATELY)

Available only for trim mounting

Anti-glare screen

☐ IMXP9 -02 -For laser blade 15 cells.



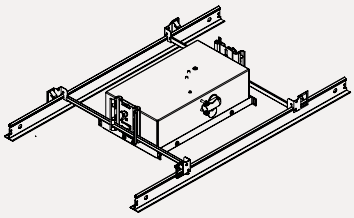
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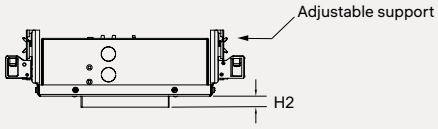
INSTALLATION

NEW CONSTRUCTION WITH HOUSING SUITABLE FOR INSULATED CEILING (IC) OR CHICAGO PLENUM (CP)*

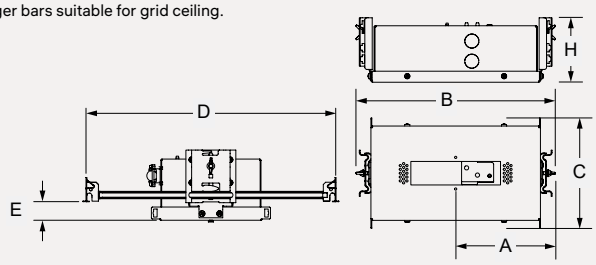
Housing with hanger bars system for new construction installations.
Suitable for insulated ceiling or Chicago plenum applications like sheetrock, paneling and grid ceiling. Housing and trim can be shipped separately
(Power supply is not accessible from luminaire opening).



Hanger bars suitable for grid ceiling.



Ceiling thickness(H2):
Trim: ⅜" to 1 ⅛" (3 mm – 29 mm)
Trimless drywall mud: ⅜" to 1 ⅛" (3 mm - 29 mm).
Trimless millwork: ½" to 1" (13 mm - 25 mm).



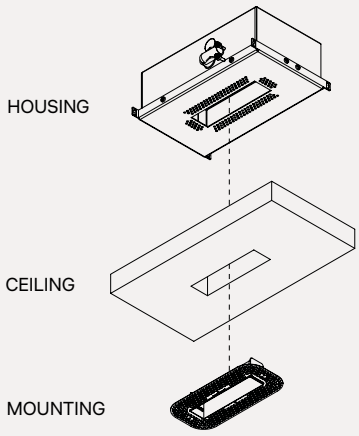
*Provide a minimum of 1 ⅞" (46 mm) on each side for the hanger bar fixations.

MOUNTING	HOUSING	CUT-OUT DIMENSIONS	CUT-OUT POSITIONS (A)[1]	OVERALL DIMENSIONS (BXC)[2]	HANGER BARS RANGE (D)[3,4]	ADJUSTABILITY (E)[5]	CLEARANCE (H)[6]
Trim	BI-LB15TR-IC/CP	1 ½" x 16" (37 x 406 mm)	14" (356 mm)	25 ⅞" x 9 9/16" (657 x 242 mm)	14 ¼" to 26" (362 to 660 mm)	0" to 4 ⅝" (0 to 118 mm)	4 " (102 mm)
Trimless drywall mud	BI-LB15TL-IC/CP						
Trimless millwork, white	BI-LB15ML-IC/CP-01	1 ¼" x 15 13/16" (32 x 401 mm)					
Trimless millwork, black	BI-LB15ML-IC/CP-02						

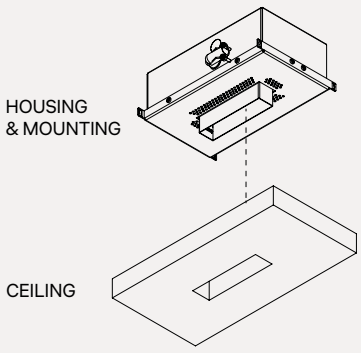
1 Remove 15/16" (24 mm) for flush mount installation (Without adjustable support)
2 Remove 1 13/16" (46 mm) for flush mount installation.
3 Available on special demand : 9" (229 mm) to 15" (381 mm) hanger bar.
4 19" to 26" flush mount.
5 No adjustability for flush mount installation.
6 3 ½" (89 mm) for flush mount installation.

TRIMLESS MOUNTING OPTIONS

TRIMLESS DRYWALL MUD



TRIMLESS MILLWORK



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SPECIFICATIONS

LUMINAIRE CHARACTERISTICS

Source Power: 29W
System Power: 36.5W (source wattage) [1]
Lumens: 958 lm to 3076 lm (for 3000K, 92CRI)
Luminaire efficacy: up to 84 lm/W

SOURCE

White LED module (LM-80):2700K: 92CRI, 3000K: 92CRI, 3500K: 92CRI, 4000K: 92CRI.

LUMEN MAINTENANCE

90% of initial lumens at 50 000 hours (L90) (LM-80).

OPTICS

Low luminance: Spot 13°**(SP)**, flood 32°**(FL)**, wide flood 47°**(WF)** with diamond technology, general light pro **(GP)**, general light **(GL)**, wall washer **(WW)** and wall washer LGC **(WL)** optics with Opti Beam technology.

MATERIAL

SP- FL- WF (Optics)
Body and heat sink: Die-cast aluminum.
Reflector and baffle: Thermoplastic.
Housing: Galvanized steel.

WW-WL (Optics)
Body and heat sink: Die-cast aluminum.
Reflector and baffle: Aluminum and Polycarbonate.
Housing: Galvanized steel.
Diffuser: PMMA diffuser with ribbed texture.

GL (Optic)
Body and heat sink: Die-cast aluminum.
Diffuser: Frosted PMMA diffuser with linear optic.
Housing: Galvanized steel.

MOUNTING

New construction housing or chicago plenum rated housing, both suitable for insulated ceiling. **(IC/CP).**

ELECTRICAL

High efficiency LED driver ratings. 38 000 hours with insulation**(GL)**.

FINISH

Black (RAL9004), white (RAL9010) and gray (RAL9006) on page 2.

WEIGHT

ILB15: 1.90 lbs (0.86 kg) to 1.92 lbs (0.87 kg)

WARRANTY

5 year limited warranty.

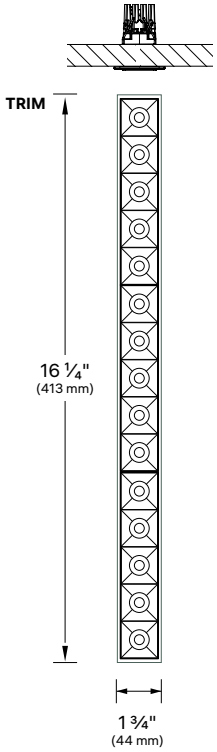
RATINGS

IP20.

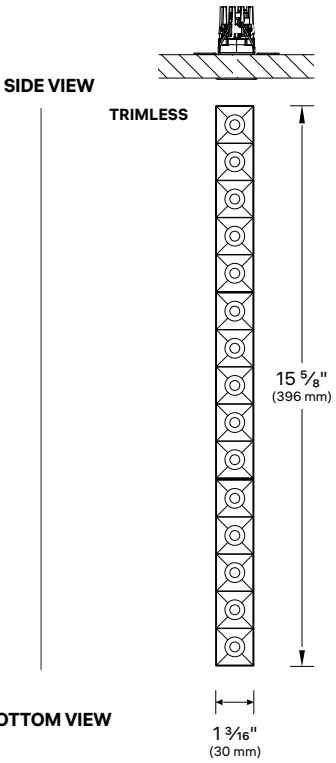
CERTIFICATION

cULus listed for damp location. Interior use only.

TRIM MODEL DIMENSIONS

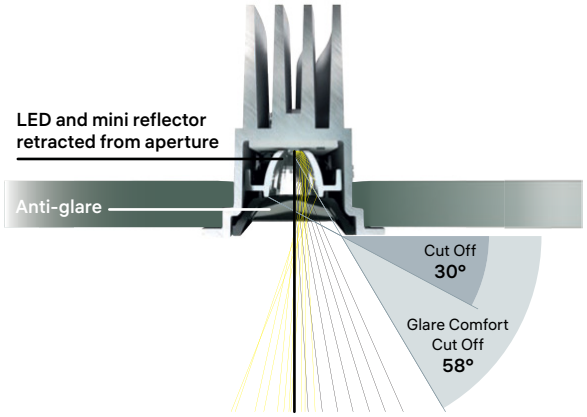


TRIMLESS MODEL DIMENSIONS



VISUAL COMFORT

The innovative micro-reflector, with patented Opti Beam technology, generates pleasant lighting for the eye and the space. Visual comfort UGR < 10.



1 LED load requirement for one (1) fixture in watts (remote fixture only).

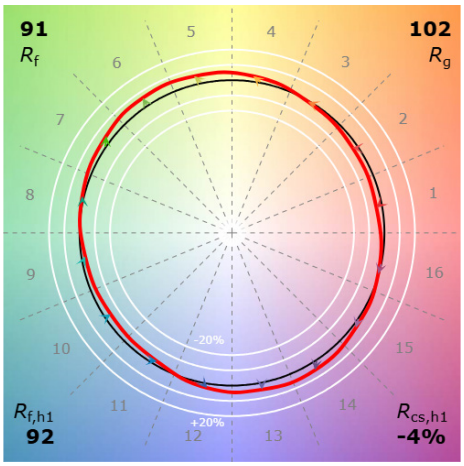
2 Not available for WW, WL and WF 47° Space

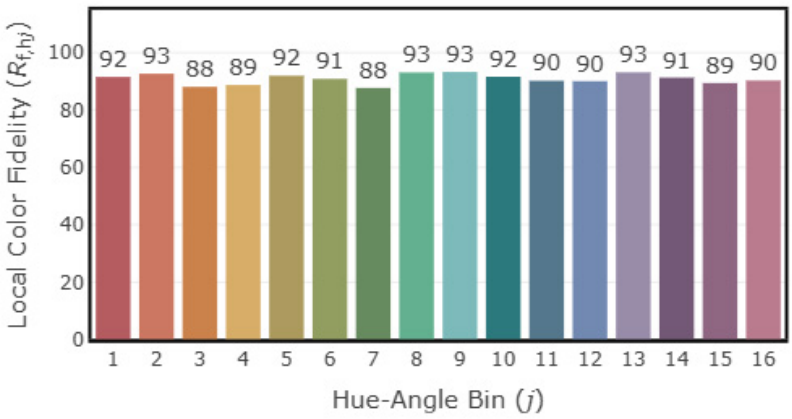
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Project: _____
Type: _____

LED COLOR FIDELITY DATA

CRI	CCT	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15	Rf	Rg	MELANOPIC RATIO
92	2700K	92	96	98	91	91	95	91	79	55	89	92	86	93	98	88	91	100	0.488
	3000K	92	97	98	92	93	95	92	82	60	91	92	82	94	99	90	92	99	0.571
	3500K	92	95	96	92	91	93	93	83	59	87	92	79	93	97	89	92	99	0.635
	4000K	93	94	94	93	92	91	94	86	64	85	93	78	93	96	90	91	100	0.715





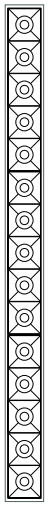
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Project: _____
Type: _____

PHOTOMETRIC DATA

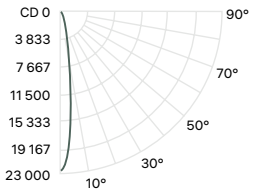
ILB15



SP, FL, WF, GP

CCT (K)	CRI	SYSTEM POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	92	36.5	Spot 13°	3 039	83	25 662	ILB15-030-SP
			Flood 32°	3 039	83	10 359	ILB15-030-FL
			Wide Flood 47°	3 076	84	5 200	ILB15-030-WF
			General Light Pro	2 758	76	3 678	ILB15-030-GP
			Wide Flood Space 47°	3 076	84	5 511	ILB15-030-WF-D8/83/24

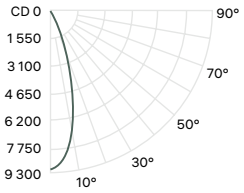
Spot 13°
(3000K, 92CRI)



-0° H

	Center beam fc	Beam width ft
2ft	5 728	0.5
4ft	1 432	0.9
6ft	636	1.4
8ft	358	1.9
10ft	229	2.3
12ft	159	2.8

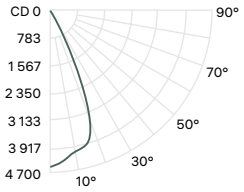
Flood 32°
(3000K, 92CRI)



-0° H

	Center beam fc	Beam width ft
2ft	2 312	1.2
4ft	578	2.3
6ft	257	3.5
8ft	145	4.6
10ft	92.5	5.8
12ft	64.2	6.9

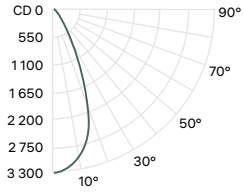
Wide Flood 47°
(3000K, 92CRI)



-0° H

	Center beam fc	Beam width ft	
2ft	1 124	1.7	1.8
4ft	281	3.5	3.7
6ft	125	5.2	5.5
8ft	70.3	7.0	7.4
10ft	45.0	8.7	9.2
12ft	31.2	10.3	11.1

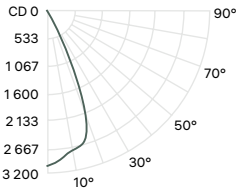
General Light Pro
(3000K, 92CRI)



-0° H

	Center beam fc	Beam width ft
2ft	821	1.9
4ft	205	3.8
6ft	91.2	5.7
8ft	51.3	7.5
10ft	32.8	9.4
12ft	22.8	11.3

Wide Flood Space 47°
(3000K, 92CRI)



-0° H

	Center beam fc	Beam width ft	
2ft	752	1.7	1.8
4ft	188	3.4	3.7
6ft	83.5	5.2	5.5
8ft	47.0	6.9	7.4
10ft	30.1	8.6	9.2
12ft	20.9	10.3	11.1

CCT Options	2700K	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.93**	**1**	**1.03**	**1.03**

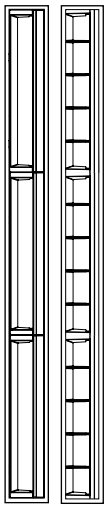
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Project: _____

Type: _____

PHOTOMETRIC DATA

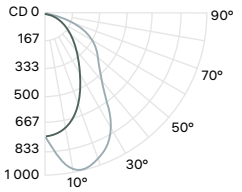
ILB15



WW WL

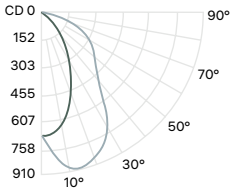
CCT (K)	CRI	SYSTEM POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	92	36.5	Wall Washer	1 277	33	1 082	ILB15-030-WW
			Wall Washer LGC	958	25	974	ILB15-030-WL

Wall Washer
(3000K, 92CRI)



	-0° H Center beam fc	-90° H Center beam fc	-0° H Beam width ft	-90° H Beam width ft
2ft	196		1.8	2.3
4ft	48.9		3.6	4.6
6ft	21.7		5.4	6.8
8ft	12.2		7.2	9.1
10ft	7.83		9.0	11.4
12ft	5.43		10.8	13.7

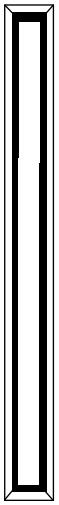
Wall Washer LGC
(3000K, 92CRI)



	-0° H Center beam fc	-90° H Center beam fc	-0° H Beam width ft	-90° H Beam width ft
2ft	173		1.9	1.8
4ft	44.6		3.8	3.7
6ft	19.8		5.7	5.5
8ft	11.1		7.6	7.4
10ft	7.14		9.4	9.2
12ft	4.95		11.3	11.1

CCT Options	2700K	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI	92CRI
Multiplier	**0.92**	**1**	**1.04**	**1.04**

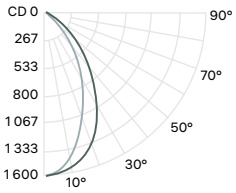
ILB15



GL

CCT (K)	CRI	SYSTEM POWER (W)	OPTIC	LUMENS (lm)	EFFICACY (lm/W)	MAX CANDELA (cd)	MODELS
3000	92	36.6	General Light	1 859	50	1 536	ILB15-030-GL

General Light
(3000K, 92CRI)



	-0° H Center beam fc	-90° H Center beam fc	-0° H Beam width ft	-90° H Beam width ft
2ft	383		2.0	2.9
4ft	95.8		4.0	5.7
6ft	42.6		6.0	8.6
8ft	24.0		8.0	11.4
10ft	15.3		10.0	14.3
12ft	10.6		12.0	17.1

CCT Options	3000K	3500K	4000K
CRI Options	92CRI	92CRI	92CRI
Multiplier	**1**	**1.05**	**1.10**

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Due to continuous improvements, the information herein may be changed without notice.
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